

SOUDAL SILIRUB COLOR

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name: SOUDAL SILIRUB COLOR

1.2 Use of the substance/preparation:

Sealant

1.3 Company/undertaking identification:

SOUDAL N.V.
 Everdongenlaan 18-20
 B-2300 Turnhout
 Tel: +32 14 42 42 31
 Fax: +32 14 44 39 71
 msds@soudal.com

1.4 Emergency telephone:

24h/24h: +32 14 58 45 45 (BIG)

2. Hazards identification

DSD/DPD

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC

Other hazards

Slightly irritant to skin
 Slightly irritant to eyes
 May produce an allergic reaction

3. Composition/information on ingredients

Name	CAS No EINECS/ELINCS	Conc.	Classification according to DSD/DPD	Classification according to CLP	Note
distillates (petroleum), hydrotreated middle	64742-46-7 265-148-2	1%<C<10%	Xn: R65 R66	Asp. Tox. 1; H304	(1)(2)
butan-2-one O,O',O''-(vinylsilylidene)trioxime	2224-33-1 218-747-8	0.1%<C<1%	Xi: R38 - 41 R43	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317	(1)
butanone oxime	96-29-7 202-496-6	0.1%<C<1%	Carc. Cat. 3; R40 Xn: R21 Xi: R41 R43	Carc. 2; H351 Flam. Liq. 3; H226 Acute Tox. 4*; H312 Eye Dam. 1; H318 Skin Sens. 1; H317	(1)(2)

(1) For R-phrases and H-statements in full: see heading 16

(2) Substance with a Community workplace exposure limit

4. First aid measures

4.1 After inhalation:

Remove the victim into fresh air
 Respiratory problems: consult a doctor/medical service

4.2 Skin contact:

Wash immediately with lots of water
 Soap may be used
 Take victim to a doctor if irritation persists

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4.3 Eye contact:

- Rinse with water
- Take victim to an ophthalmologist if irritation persists

4.4 After ingestion:

- Rinse mouth with water
- Consult a doctor/medical service if you feel unwell

5. Fire-fighting measures

5.1 Suitable extinguishing media:

- Water spray
- Polyvalent foam
- ABC powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:

- No unsuitable extinguishing media known

5.3 Special exposure hazards:

- Upon combustion: formation of CO, CO₂ and small quantities of nitrous vapours

5.4 Instructions:

- No specific fire-fighting instructions required

5.5 Special protective equipment for fire-fighters:

- Gloves
- Protective clothing
- Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal precautions:

- See heading 8.2

6.2 Environmental precautions:

- Use appropriate containment to avoid environmental contamination
- See heading 13

6.3 Methods for cleaning up:

- Scoop solid spill into closing containers
- Clean contaminated surfaces with a soap solution
- Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:

- Keep away from naked flames/heat
- Observe strict hygiene
- Keep container tightly closed

7.2 Storage:

Safe storage requirements:

- Store in a dry area
- Keep container in a well-ventilated place
- Store at room temperature
- Meet the legal requirements
- Storage temperature: 20 °C
- Max. storage time: 1 year(s)

Keep away from:

- oxidizing agents

Suitable packaging material:

- synthetic material

7.3 Specific use(s):

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See information supplied by the manufacturer for the identified use(s)

8. Exposure controls/Personal protection

8.1 Exposure limit values:

8.1.1 Occupational exposure:

If limit values are applicable and available these will be listed below.

Regulatory exposure limit (The Netherlands)

Olienevel (minerale olie)	Time-weighted average exposure limit	5 mg/m ³
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Limit Value (Belgium)

Olie(minerale)(nevel)	Short time value	- ppm 10 mg/m ³
	Time-weighted average exposure limit	- ppm 5 mg/m ³

TLV (USA)

Mineral oil, pure, highly and severely refined	Short time value	- ppm
	Time-weighted average exposure limit	5 ppm

8.1.2 Sampling methods:

Product name	Test	Number	Sampling method	Remark
Methyl Ethyl Ketoxime	OSHA	CSI		
Oil Mist (Mineral)	NIOSH	5026	filter	
Oil Mist (Mineral)	OSHA	ID 178SG		
Oil Mist (Mineral)	OSHA	ID 128		

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

Carry operations in the open/under local exhaust/ventilation or with respiratory protection

Personal protective equipment:

- Respiratory protection:
Insufficient ventilation: wear respiratory protection
- Hand protection:
Gloves
- Eye protection:
Safety glasses
- Skin protection:
Protective clothing

8.2.2 Environmental exposure controls:

See headings 6.2, 6.3 and 13

9. Physical and chemical properties

9.1 General information:

Physical form	Paste
Odour	Characteristic odour
Colour	Variable in colour, depending on the composition

9.2 Important health, safety and environmental information:

Flashpoint	> 100 °C
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9.3 Other information:

10. Stability and reactivity

10.1 Conditions to avoid:

Possible fire hazard

heat sources

Stability

Stable under normal conditions

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10.2 Materials to avoid:

oxidizing agents

10.3 Hazardous decomposition products:

Upon combustion: formation of CO, CO₂ and small quantities of nitrous vapours

11. Toxicological information

11.1 Acute toxicity:

butanone oxime

LD50 oral (rat)	> 930 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
LC50 inhalation (rat)	20 mg/l/4h

11.2 Chronic toxicity:

Not listed in carcinogenicity class (IARC,EC,TLV,MAK)

Not listed in mutagenicity class (EC,MAK)

Not classified as toxic to reproduction (EC)

butanone oxime

EC carc cat	3
MAK - Krebszeugend Kategorie	2
MAK - Schwangerschaft Gruppe	-
CLP carc cat	category 2

distillates (petroleum), hydrotreated middle

TLV - Carcinogen	A4
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11.3 Acute effects/symptoms:

Inhalation:

No data available

Skin contact:

Slight irritation

Eye contact:

Slight irritation

Ingestion:

Nausea

11.4 Chronic effects:

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

Skin rash/inflammation

12. Ecological information

12.1 Ecotoxicity:

butanone oxime

LC50 fishes

species	value	duration (h)	remarks
ONCORHYNCHUS MYKISS	693 mg/l	96 h	STATIC SYSTEM

EC50 Daphnia

species	value	duration (h)	remarks
DAPHNIA MAGNA	750 mg/l	48 h	

EC50 other aquatic organisms

species	value	duration (h)	remarks
SCENEDESMUS SUBSPICATUS	83 mg/l	72 h	

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butan-2-one O,O',O''-(vinylsilylidyne)trioxime

LC50 fishes

species	value	duration (h)	remarks
BRACHYDANIO RERIO	>560 mg/l	96 h	

12.2 Mobility:

Volatile organic compounds (VOC)

3 %

Solubility in/reaction with water

Literature reports: insoluble in water

12.3 Persistence and degradability:

Biodegradability in water: no data available

12.4 Bioaccumulative potential:

No bioaccumulation data available

12.5 Results of PBT assessment:

Not applicable, based on available data

12.6 Other adverse effects:

Not dangerous for the ozone layer (1999/45/EC)

13. Disposal considerations

13.1 Provisions relating to waste:

Waste material code (Directive 2008/98/EC, decision 2001/118/EC)

08 04 : wastes from MFSU of adhesives and sealants (including waterproofing products)

08 04 10 : waste adhesives and sealants other than those mentioned in 08 04 09

Depending on branch of industry and production process, also other EURL codes may be applicable

Can be considered as non hazardous waste according to Directive 2008/98/EC

13.2 Disposal methods:

Remove waste in accordance with local and/or national regulations

Do not discharge into drains or the environment. Dispose of at authorized waste collection point

13.3 Packaging/Container:

Waste material code packaging (Directive 2008/98/EC)

15 01 02 : plastic packaging

14. Transport information

ADR

Transport	Not subject
UN number	-
Class	
Packing group	
Hazard identification number	
Classification code	
Labels	
Environmentally hazardous substance mark	no

RID

Transport	Not subject
UN number	-
Class	
Packing group	
Classification code	
Labels	
Environmentally hazardous substance mark	no

ADN

Transport	Not subject
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UN number	-
Class	
Packing group	
Classification code	
Labels	
Environmentally hazardous substance mark	no

IMO

Transport	Not subject
UN number	-
Class	
Packing group	
Labels	
Marine pollutant	
Environmentally hazardous substance mark	no

ICAO

Transport	Not subject
UN number	-
Class	
Packing group	
Labels	
Environmentally hazardous substance mark	no

15. Regulatory information

15.1 EU Legislation:

DSD/DPD

Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

Contains: butanone oxime; butan-2-one O,O',O''-(vinylsilyldiylne)trioxime. May produce an allergic reaction.

15.2 National provisions:

The Netherlands

Waterbezwaarlijkheid (for NL)

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Waste identification other lists of waste materials

LWCA (the Netherlands): KGA category 03

Germany

WGK

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Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

15.3 Specific community rules:

REACH Annex XVII - Restriction

Contains component(s) included in Annex XVII of Regulation (EC) No. 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

16. Other information

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The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question.

Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult your BIG licence agreement for details.

(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive
CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

Full text of any R-phrases referred to under headings 2 and 3:

R21	Harmful in contact with skin
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking

Full text of any H-statements referred to under headings 2 and 3:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.

Full text of any classes referred to under headings 2 and 3:

Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
Carc.	Carcinogenicity
Eye Dam.	Serious eye damage
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization